

41443
SEARCH REQUEST FORMRequestor's
Name:

BERLA

Serial

Number:

09/555949

Date:

5/1/01

Phone:

4718

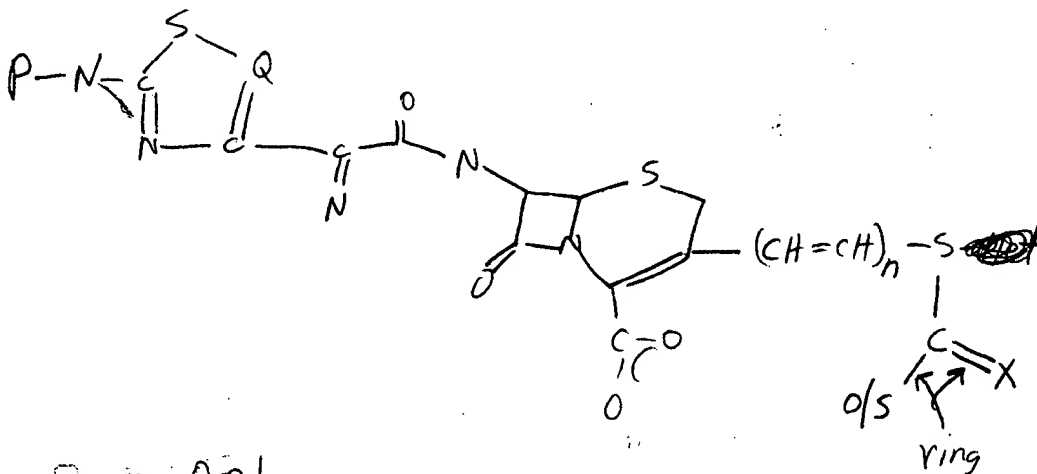
Art Unit:

1624

4D15

Search Topic:

Please write a detailed statement of search topic. Describe specifically as possible the subject matter to be searched. Define any terms that may have a special meaning. Give examples or relevant citations, authors, keywords, etc., if known. For sequences, please attach a copy of the sequence. You may include a copy of the broadest and/or most relevant claim(s).



Point of Contact:
Mary Hale
Technical Info. Specialist
CM1 12D16 Tel: 308-4258

MAR 1

11:42
11:39

STAFF USE ONLY

Date completed:

5/2

Searcher:

Mary

Terminal time:

5

Elapsed time:

6

CPU time:

Total time:

Number of Searches:

Number of Databases:

Search Site

STIC

CM-1

Pre-S

Type of Search

N.A. Sequence

A.A. Sequence

2 Structure

Bibliographic

Vendors

IG

277.82 STN

Dialog

APS

Geninfo

SDC

DARC/Questel

Other

This file contains CAS Registry Numbers for easy and accurate substance identification. Title keywords, authors, patent assignees, and patent information, e.g., patent numbers, are now searchable from 1907-1966. TIFF images of CA abstracts printed between 1907-1966 are available in the PAGE display formats.

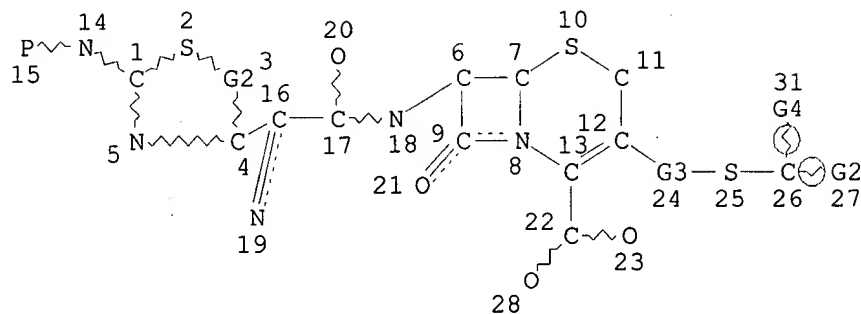
This file supports REGISTRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

L7 0 L6

=> del his y

Bereh
555949

=> d 16 que stat;d 1-2 ide cbib abs
L4 STR



CH=CH
@29 @30

VAR G2=C/N
REP G3=(0-1) 29-12 30-25
VAR G4=O/S
NODE ATTRIBUTES:
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DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 31

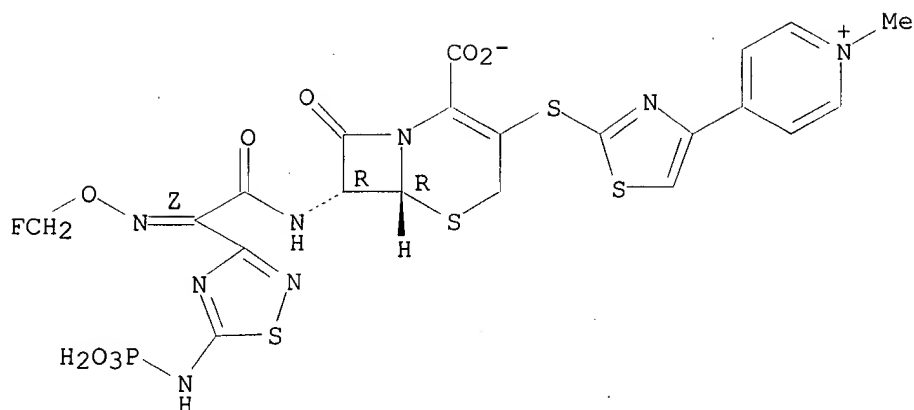
STEREO ATTRIBUTES: NONE
L6 2 SEA FILE=REGISTRY SSS FUL L4

100.0% PROCESSED 6 ITERATIONS
SEARCH TIME: 00.00.02

2 ANSWERS

L6 ANSWER 1 OF 2 REGISTRY COPYRIGHT 2001 ACS
RN 229016-74-4 REGISTRY
CN Pyridinium, 4-[2-[[[(6R,7R)-2-carboxy-7-[[[(2Z)-[(fluoromethoxy)imino][5-(phosphonoamino)-1,2,4-thiadiazol-3-yl]acetyl]amino]-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-en-3-yl]thio]-4-thiazolyl]-1-methyl-, inner salt (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C21 H18 F N8 O8 P S4
SR CA
LC STN Files: CA, CAPLUS

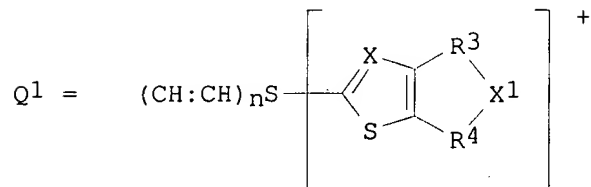
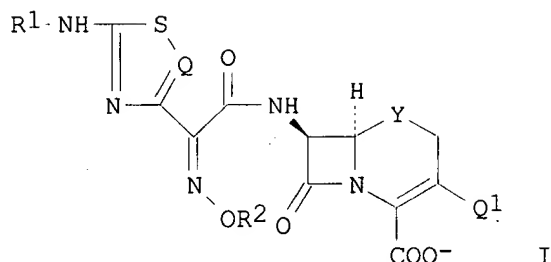
Absolute stereochemistry.
Double bond geometry as shown.



1 REFERENCES IN FILE CA (1967 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 131:73504 Preparation of phosphonocephem derivatives and their use. Ishikawa, Tomoyasu; Hashiguchi, Shohei; Iizawa, Yuji (Takeda Chemical Industries, Ltd., Japan). PCT Int. Appl. WO 9932497 A1 19990701, 50 pp. DESIGNATED STATES: W: AL, AM, AU, AZ, BA, BB, BG, BR, BY, CA, CN, CU, CZ, EE, GD, GE, HR, HU, ID, IL, IN, IS, JP, KG, KR, KZ, LC, LK, LR, LT, LV, MD, MG, MK, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, SL, TJ, TM, TR, TT, UA, US, UZ, VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM; RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG. (Japanese). CODEN: PIXXD2. APPLICATION: WO 1998-JP5709 19981217. PRIORITY: JP 1997-351499 19971219.

GI



AB Title compds. I [R1 = (un)protected phosphono, phosphono deriv.; R2 = H, (un)substituted alkyl, cycloalkyl, etc.; one of R3 and R4 is (un)substituted pyridinium and the other is H or (un)substituted hydrocarbyl, or R3XR4 = part of a quaternized (un)substituted N-contg. heterocycle; Q, X = N, CH; Y = S, O, CH2; n = 0, 1], useful for treatment of infectious diseases (no data), are prepd. Thus,

7.beta.-amino-3-[4-(1-methyl-4-pyridinio)-2-thiazolylthio]-3-cephem-4-carboxylate HCl reacted with 2-(5-dichlorophosphorylamino-1,2,4-thiadiazol-3-yl)-2(Z)-ethoxyiminoacetyl chloride in water-THF contg. NaHCO3 (pH 7.4) to give 7.beta.-[2(Z)-ethoxyimino-2-(5-phosphonoamino-1,2,4-thiadiazol-3-yl)acetamido]-3-[4-(1-methyl-4-pyridinio)-2-thiazolylthio]-3-cephem-4-carboxylate.

L6 ANSWER 2 OF 2 REGISTRY COPYRIGHT 2001 ACS

RN 229016-73-3 REGISTRY

CN Pyridinium, 4-[2-[[[(6R,7R)-2-carboxy-7-[[[(2Z)-(ethoxyimino)[5-(phosphonoamino)-1,2,4-thiadiazol-3-yl]acetyl]amino]-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-en-3-yl]thio]-4-thiazolyl]-1-methyl-, inner salt (9CI) (CA INDEX NAME)

FS STEREOSEARCH

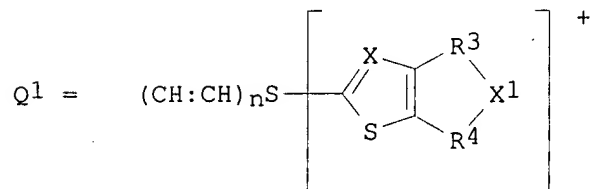
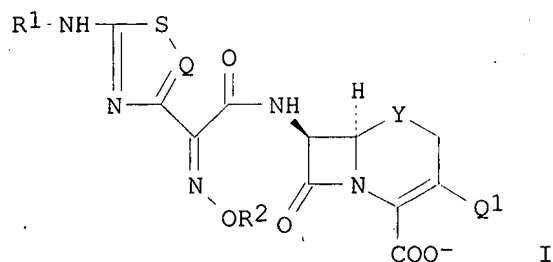
MF C22 H21 N8 O8 P S4

SR CA

LC STN Files: CA, CAPLUS

Absolute stereochemistry.

Double bond geometry as shown.



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=> fil caol;s 16

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	277.36	277.51
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-1.12	-1.12

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 FILE LAST UPDATED: 01 May 1997 (19970501/UP)